



HOW TO REACH US:

ADMISSIONS: 740.568.1900

CONTACT:

Steve Temesvary, MHA, MLS(ASCP)^{cm}
Director

PHONE: 740.885.5689

MAIL:

710 Colegate Drive
Marietta, OH 45750

EMAIL:

stemesvary@wscc.edu

CAREER OPPORTUNITIES:

- Medical centers
- Hospitals
- Private labs
- Industrial labs
- Clinics
- Public health facilities
- Research facilities

STUDENT OPPORTUNITIES:

- Upon completion, graduates are eligible to take the Board of Certification Examination given by the American Society for Clinical Pathology (ASCP), to become certified as a medical laboratory technician.
- Many graduates choose to continue their education by pursuing a bachelor's degree in medical technology or a related field.

IT'S A FACT:

Nearly 70% of Washington State students receive financial aid.

MEDICAL LABORATORY TECHNOLOGY

THE PROGRAM:

Increased need for quality assurance in the medical laboratory has led to excellent employment opportunities for laboratory technicians.

Medical Laboratory Technicians (MLT) make an important contribution to the health care delivery system: they perform tests in the clinical or hospital lab that are necessary for diagnosis and treatment of disease. The results of that work guide the physician in treating patients. Although MLTs' work does not place them in direct contact with patients, they must maintain compassion and accept the patient's welfare as their highest priority.

The MLT program at Washington State combines the theory of the profession with practical laboratory skills. In the first year of the program the student will learn basic and intermediate lab skills in the student laboratory on campus. In the second year the student will practice those skills in clinical affiliate laboratories supervised by pathologists and medical technologists.

The Medical Laboratory Technician Program is fully accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

NAACLS
5600 North River Road
Suite 720
Rosemont, IL 60018-5119
PHONE: 773.714.8880

SKILLS:

As a medical laboratory technology student at Washington State, you will acquire skills in a program recognized for its outstanding quality. During your studies, you will:

- Perform microscopic and chemical testing of urine.
- Use manual and automated methods to count white and red blood cells.
- Perform blood serum tests for diseases such as mononucleosis and rheumatoid arthritis.
- Test for blood clotting to monitor medication and diagnose diseases like hemophilia.
- Grow and identify bacteria from various body sources, such as throat cultures.
- Perform chemical assays of blood serum, including blood sugars and cholesterol levels.
- Test and match donor blood with patient blood for compatibility prior to transfusions.

ADMISSION TO THE PROGRAM:

Admission to the medical laboratory technology program is limited and admission is made on a selective basis. See the reverse side for admission requirements.

MEDICAL LABORATORY TECHNOLOGY

GENERAL EDUCATION COURSES			CREDITS
English Composition			
ENGL	1510	English Composition I**	3
Social & Behavioral			
-----	---	Elective	3
Arts & Humanities			
HUMN	1200	Intro to Film	3
Speech			
SPCH	1510	Speech	3/OR
SPCH	2060	Interpersonal Communication	3
Mathematics			
**MATH	2110	Principles of Statistics	4
Natural Sciences			
*BIOL	1100	General Biology I	3
*BIOL	110L	General Biology I Lab	1/OR
*BIOL	2310	Human Anatomy & Physiology I	3
*BIOL	231L	Human Anatomy & Physiology I Lab	1
*BIOL	1110	General Biology II	3
*BIOL	111L	General Biology II Lab	1/OR
*BIOL	2320	Human Anatomy & Physiology II	3
*BIOL	232L	Human Anatomy & Physiology II Lab	1
CHEM	1510	Fundamentals of Chemistry I	3
CHEM	151L	Fundamentals of Chemistry I Lab	1
CHEM	1520	Fundamentals of Chemistry II	3
CHEM	152L	Fundamentals of Chemistry II Lab	1
MEDICAL LABORATORY TECHNOLOGY MAJOR			
MMLT	1010	MLT Orientation	2
MMLT	1210	Urinalysis & Body Fluid Analysis	2
MMLT	1310	Hematology I	3
MMLT	1320	Hematology II	2
MMLT	1410	Immunology & Serology	3
MMLT	1420	Immunohematology	3
MMLT	1510	Diagnostic Microbiology	5
MMLT	1610	Clinical Chemistry	4
MMLT	2210	Instrumentation & Laboratory Skills	3
MMLT	2310	MLT Seminar	1
MMLT	2410	MLT Directed Practice	6

Admission to the Medical Laboratory Technology Program is limited and admission is done on a selective basis. Applicants are urged to apply early. The following items must be submitted in order to be considered for admission into the MLT program.

ENTRANCE REQUIREMENTS:

- Complete a Washington State Community College Application for Admission
- Complete an MLT program application
- Submit a copy of high school or college transcripts showing completion of introductory courses in algebra*, biology*, and chemistry* with a grade of "C" or better
- Submit an official high school transcript or GED certificate
- Submit three (3) non-family references
- Meet with the MLT program director

The class will be filled on a first-come, first-served basis by students who qualify. *Individuals who otherwise qualify will be placed on a "Conditionally Accepted" list. If the applicant is able to complete the course requirements and an opening becomes available on the "Accepted" list, he or she will be accepted based on the date of application.

In order for applicants to see the specific job roles of an MLT, a tour of a hospital medical laboratory is available. Attending one of these monthly tours is highly recommended. Contact the MLT Program Director for assistance with scheduling a tour.

Academic prerequisites must be completed before enrolling in this course:

1. High School Algebra or Equivalent
2. High School Biology or Equivalent
3. High School Chemistry or Equivalent

*Students may take either the BIOL 1100/1110 series OR BIOL 2310/2320 series.

**Depending on Accuplacer Score, you may be required to take Math Insights in conjunction with This program must be completed in a sequence of consecutive semesters (see curriculum).

Evening courses may be required to complete this program.

TO BE ELIGIBLE FOR GRADUATION A STUDENT MUST COMPLETE ALL COURSES LISTED WITH A GRADE OF "C" OR BETTER AND MAINTAIN A CUMULATIVE G.P.A. OF AT LEAST 2.0.

A grade of "C" or above is required in all courses.

Rev. 9/2020

**Washington State Community College
Medical Laboratory Technology
Student Selection Process**

Step 1: Submit the following items in a mailing envelope to:

**Washington State Community College
Attn: Steve Temesvary, MLT Program Director
710 Colegate Drive
Marietta, OH 45750**

Please Note:

ALL of the items listed below **MUST** be submitted **IN A SINGLE 9" x 12"**
(or larger) MAILING ENVELOPE:

- 1. MLT Program Application Form (enclosed)**
- 2. Washington State Community College General Application (enclosed) OR you may apply online at www.wsccl.edu**
- 3. Submit proof of High School Graduation or GED Completion**
 - a. Submit an official copy of your high school transcript
 - b. Submit a copy of your GED certificate of completion
 - Students still in high school are permitted to apply; however, graduation must be complete before official program acceptance
 - It is the **responsibility of the prospective student** to obtain a copy of his or her high school transcript from the high school of attendance **OR** from the WSCC records department if already submitted to WSCC
- 4. Submit proof of completion of the following 3 program prerequisite courses:**
 - a. Final Course Grade of **"C"** or better in **Algebra** and **Algebra II** (minimum of 1 credit)
 - b. Final Course Grade of **"C"** or better in **Biology** (minimum of 1 credit)
 - c. Final Course Grade of **"C"** or better in **Chemistry** (minimum of 1 credit)

OVER →

- Proof of completion may be determined by official high school and/or college transcripts
- WSCC course equivalents are BIOL 0955/095L, & CHEM 0955/095L

5. Submit 3 completed recommendation forms (enclosed)

- a. These forms must be completed by **NON-FAMILY** members

Step 2: Make an appointment with WSCC to take and complete ALL SECTIONS of the college placement test (transfer students from another accredited college/university are not required to take this exam)

Step 3: The Program director will send you written confirmation and entry status upon receipt of the required documentation; **selection is first-come, first-served based on application date AND completion of prerequisites**

Step 4: Students are encouraged to attend a scheduled tour of a hospital lab prior to program entry; tour dates are enclosed



Washington State Community College Medical Laboratory Technology Program Essential Requirements

INTRODUCTION

The Associate of Applied Science Degree in Medical Laboratory Technology requires the acquisition of general knowledge and basic skills in all areas of the laboratory profession.

POLICY

Faculty in the Medical Laboratory Technology department have a responsibility for the welfare of the patients treated or otherwise affected by students enrolled in the Medical Laboratory Technology program, as well as for the welfare of students in educational programs of the department. In order to fulfill this responsibility, the Medical Laboratory Technology department has established minimum essential requirements that must be met, with or without reasonable accommodation, in order to participate in the program and graduate. The Medical Laboratory Technology department, as a part of Washington State Community College, is committed to the principle of equal opportunity. The Medical Laboratory Technology department does not discriminate on the basis of race, color, creed, religion, national origin, gender, sexual orientation, age, marital status, disability, and disabled veteran or Vietnam era veteran status.

Essential requirements, as distinguished from academic standards, refer to those cognitive, physical, and behavioral abilities that are necessary for satisfactory completion of all aspects of the curriculum and for the development of professional attributes required by the faculty of all students at graduation. The following essential requirements have been developed in compliance with the Americans with Disabilities Act (PL101-336) and the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

The following essential functions or technical standards are intended to identify essential skills/knowledge/attitudes needed in the Medical Laboratory Technology curriculum at Washington State Community College:

1.1 Communication Skills

- 1.1.1 Communicate effectively in written and spoken English
- 1.1.2. Comprehend and respond to both formal and colloquial English
 - 1.1.2.1. Person to person
 - 1.1.2.2 By telephone
 - 1.1.2.3. In writing
- 1.1.3. Appropriately assess nonverbal & verbal communication

1.2. Large and Small Motor Skills

- 1.2.1. Move freely from one location to another in physical settings such as the clinical laboratory, patient care areas, corridors, and elevators
- 1.2.2. Possess sufficient eye-motor coordination to allow delicate manipulations of specimens, instruments, and tools
- 1.2.3. Grasp and release small objects (e.g., test tubes, pipette tips, microscope slides and cover slips); twist and turn dials/knobs (e.g., on microscopes, balances, centrifuges, spectrophotometers)
- 1.2.4. Manipulate other laboratory materials (e.g., reagents, manual and automated pipettes)

1.3. Other Physical Requirements

- 1.3.1. Visual acuity
 - 1.3.1.1. Identify and distinguish objects macroscopically and microscopically
 - 1.3.1.2. Read charts, graphs, and instrument scales/readout devices
- 1.3.2. Lift and move objects of at least 20 pounds
- 1.3.3. Possess a sense of touch and temperature discrimination

1.4. Professional and Application Skills

- 1.4.1. Follow written and verbal directions
- 1.4.2. Possess and apply mathematical skills
- 1.4.3. Work under time constraints
- 1.4.4. Prioritize requests and work concurrently on at least two different tasks
- 1.4.5. Maintain alertness and concentration during a normal work period
- 1.4.6. Apply knowledge, skills, and values learned from course work and life experiences to new situations.
- 1.4.7. Work safely with potential chemical, radiologic, and biologic hazards using universal precautions

1.5. Valuing Skills

- 1.5.1. Show respect for self and others
- 1.5.2. Project an image of professionalism including appearance, dress, and confidence

1.6. Stability

- 1.6.1. Possess the psychological health required for full utilization of abilities
- 1.6.2. Recognize emergency situations and take appropriate actions

Technical standards identify the requirements for admission, retention, and graduation of applicants and students respectively. Graduates are expected to be qualified to enter the field of Medical Laboratory Technology. It is therefore the responsibility of the student with disabilities to request those accommodations that he/she feels are reasonable. To inquire about the process for requesting accommodations, please contact: Center for Student Success at 740-374-8716 Ext. 2503.



Medical Laboratory Technology (MLT) Program Estimated Cost 2020-2022

*The following financial information regarding the cost of tuition, books, etc. while enrolled in our five-semester program is only an estimate. **All costs and fees are subject to change.** The tuition costs reflect the current in-state charges of \$165.00 per credit hour. Students who reside in Brooke, Hancock, Jackson, Marshall, Ohio, Pleasants, Ritchie, Roane, Tyler, Wetzel, Wirt and Wood Counties, WV are eligible to receive in-state tuition through the reciprocity agreement between Washington State Community College and WVU-P **when** they are **officially accepted into the MLT program.**

Fall Semester 2020

Credit Hours:	15
Tuition:	\$2,475.00 (\$165/credit hr)
Books:	\$1,191.35
IPad, IPencil, Keyboard	\$1,100.00
Lab Coat/Face Shield/Goggles:	\$ 66.00 (three sets of disposable coats/shields - BIOL, CHEM, MLT)*
Lab Fees:	<u>\$ 335.00</u>
Total Cost Estimate:	\$5,167.35

Spring Semester 2021

Credit Hours:	15
Tuition:	\$2,475.00 (\$165/credit hr)
Books:	\$ 147.25
Lab Coat/Face Shield:	\$ 44.00 (two sets of disposable coats/shields - BIOL, CHEM)
Lab Fees:	<u>\$ 285.00</u>
Total Cost Estimate:	\$2,951.25

Summer Semester 2021

Credit Hours:	12
Tuition:	\$1,980.00 (\$165/credit hr)
Books:	\$ 391.25
Lab Fees:	<u>\$ 210.00</u>
Total Cost Estimate:	\$2,581.25

Fall Semester 2021

Credit Hours:	13
Tuition:	\$ 2,145.00 (\$165/credit hr)
Books:	\$ 610.35
Lab Fees:	<u>\$ 255.00</u>
Total Cost Estimate:	\$3,010.35

Spring Semester 2022

Credit Hours:	10
Tuition:	\$ 1,650.00 (\$165/credit hr)
Books:	\$ 221.70
Uniforms/Shoes	\$ 300.00
MLT Registry Exam	<u>\$ 215.00</u>
Total Cost Estimate:	\$2,386.70

Total Estimated Cost for MLT Program: \$16,096.90

**** Some classes other than MLT classes may offer or allow utilization of e-books***

Again, this information is only an ***estimate of the approximate cost*** for ***five semesters*** and is based on current costs and fees. The estimate does not include a mileage estimate as it is impossible to predict spring clinical rotation assignments at this time.

Prior to entry into the program, a physical exam, lab work, CPR certification, and proof of immunizations are required. Fees for these services vary greatly and it is difficult to estimate, however, the cost should be under **\$300.00**. A criminal background check is required; it is available through Marietta Memorial Hospital at a cost of **\$40.00**.

All financial aid inquiries may be directed to the Director of Financial Aid.

MEDICAL LABORATORY TECHNOLOGY
Associate of Applied Science Degree for Direct Employment

REV. 7/20

STUDENT: _____
 PHONE #: _____

DATE ENROLLED: _____

***Academic prerequisites completed:**

1. High School Algebra or Equivalent
2. High School Chemistry or Equivalent
3. High School Biology or Equivalent

TAKEN	GRADE
_____	_____
_____	_____
_____	_____

GENERAL EDUCATION COURSES

English Composition

ENGL 1510 English Composition I*

CREDITS	SEMESTER TAKEN	GRADE
3	_____	_____

Social and Behavioral Sciences

----- ---- Elective

3

Arts and Humanities

HUMN 1200 Intro to Film

3

Speech

SPCH 1510 Speech

3/OR

SPCH 2060 Interpersonal Communication

3

Mathematics

MATH 2110 Principles of Statistics

4

Natural Sciences

BIOL 1100 General Biology I

3

BIOL 110L General Biology I Lab

1/OR

BIOL 2310 Human Anatomy & Physiology I

3

BIOL 231L Human Anatomy & Physiology I Lab

1

BIOL 1110 General Biology II

3

BIOL 111L General Biology II Lab

1/OR

BIOL 2320 Human Anatomy & Physiology II

3

BIOL 232L Human Anatomy & Physiology II Lab

1

CHEM 1510 Fundamentals of Chemistry I

3

CHEM 151L Fundamentals of Chemistry I Lab

1

CHEM 1520 Fundamentals of Chemistry II

3

CHEM 152L Fundamentals of Chemistry II Lab

1

MEDICAL LABORATORY TECHNOLOGY MAJOR

MMLT 1010 MLT Orientation

2

MMLT 1210 Urinalysis & Body Fluid Analysis

2

MMLT 1310 Hematology I

3

MMLT 1320 Hematology II

2

MMLT 1410 Immunology & Serology

3

MMLT 1420 Immunohematology

3

MMLT 1510 Diagnostic Microbiology

5

MMLT 1610 Clinical Chemistry

4

MMLT 2210 Instrumentation & Laboratory Skills

2

MMLT 2310 MLT Seminar

1

MMLT 2410 MLT Directed Practice

6

*The prerequisite must be completed before enrolling in this course.

* Students may take either the BIOL 1100/1110 series **OR** BIOL 2310/2320 series

A grade of "C" or above is required in all courses.

MEDICAL LABORATORY TECHNOLOGY**SEMESTER I**

BIOL	1100/	GENERAL BIOLOGY I (3) 3-0				
BIOL	110L	GENERAL BIOLOGY I LAB (1) 0-3 OR/				
BIOL	2310	HUMAN ANATOMY & PHYSIOLOGY I (3) 3-0				
BIOL	231L	HUMAN ANATOMY & PHYSIOLOGY I LAB (1) 0-2				
CHEM	1510	FUNDAMENTALS OF CHEMISTRY I (3) 3-0				
CHEM	151L	FUNDAMENTALS OF CHEMISTRY I LAB (1) 0-3				
MMLT	1010	MLT ORIENTATION (2) 1-3				
MMLT	1210	URINALYSIS & BODY FLUID ANALYSIS (2) 1-3				
MMLT	1310	HEMATOLOGY I (3) 2-3				

SEMESTER II

BIOL	1110/	GENERAL BIOLOGY II (3) 3-0				
BIOL	111L	GENERAL BIOLOGY II LAB (1) 0-3 OR/				
BIOL	2320	HUMAN ANATOMY & PHYSIOLOGY II (3) 3-0				
BIOL	232L	HUMAN ANATOMY & PHYSIOLOGY II LAB (1) 0-2				
CHEM	1520	FUNDAMENTALS OF CHEMISTRY II (3) 3-0				
CHEM	152L	FUNDAMENTALS OF CHEMISTRY II LAB (1) 0-3				
MMLT	1320	HEMATOLOGY II (2) 1-3				
MMLT	1510	DIAGNOSTIC MICROBIOLOGY (5) 3-4				

SEMESTER III

ENGL	1510	ENGLISH COMPOSITION I (3) 2-2				
MMLT	1410	IMMUNOLOGY AND SEROLOGY (3) 2-2				
MMLT	1420	IMMUNOHEMATOLOGY (3) 2-3				
-----		SOCIAL/BEHAVIORAL ELECTIVE (3) 3-0				

21/22

*Evening courses may be required to complete this program.

SEMESTER IV

	HUMN	1200	INTRO TO FILM (3) 3-0			
	MATH	2110	PRINCIPLES OF STATISTICS (4) 4-0			
	MMLT	1610	CLINICAL CHEMISTRY (4) 3-2			
	MMLT	2210	INSTRUMENTATION & LAB SKILLS (2) 0-7			
	MMLT	2310	MLT SEMINAR (1) 1-0			
	MMLT	2410	MLT DIRECTED PRACTICE (6) 1-32			
	SPCH	1510/	SPEECH (3) 3-0 OR/			
	SPCH	2060	INTERPERSONAL COMMUNICATION (3) 3-0			

SEMESTER V

22/23

* Students may take either the BIOL 1100/1110 series **OR** BIOL 2310/2320 series